

AR-1

Assault Rotor Weaponized Drone

AR-1 is designed for mounting light weapons such as submachine guns and assault rifles. Highly shock-proof, high strength, high endurance, etc.

In the frontline of a warzone or special police attack, when the enemy and friendly are in a stalemate, they can carry out multi-angle attacks and disturbances in the air to gain the advantage of attacking or moving forward.



Images for reference only.

Weapons not included in shipment.

18 mins

10 km+

Unique
Transmission
Band

Made in
Taiwan

Product Features

- Foldable design for quick deployment
- Long range flight 10-15 km
- Carbon fiber structure
- Rapid deployment without using any tools to fold or unfold the drone
- Dedicated for submachine gun / assault rifle platform (9 mm/5.56 mm)

Specification parameters

Performance Parameters

Total weight	17.1 kg
Scale	1280 mm
Flight time	18 minutes
Flight range	10-15 km
Overall thrust	50 kg
Gun weight	3.5 kg
Load voltage	22 V



- ▶ **AR-1 obtained the invention patent of remote firing controller**

Frame & Propulsion Systems

Aircraft frame	Folding design fully carbon fiber
Propellers	28 Inch

- ▶ Reducing casualties on friendly forces.
- ▶ Intimidating hostile infantries by firing in the air as suppress fire in order to having friendly infantries to move forward.
- ▶ Special operations
- ▶ Anti-vehicle (subject to be discussed for mounting various weapon systems)

40X Optical Zoom Laser Night Vision Camera

Lux	IRCUT off: 0.01Lux / F1.5
Weight	IRCUT on: 0.001Lux / F1.5
Size	405 g
Video Output	86 x 86 x 130 mm
Input Voltage	14~53 VDC
Effective pixels	2.07 Megapixels
Zoom Range	40X (Optical Zoom Rate 10X, Equivalent Digital Zoom Rate 4X)
Range of Control Angle	Tilt : -157° ~ +70° Pan : ±360°
Control Precision	Pitch / Roll / Yaw ±0.01°
Day-Night Mode	Laser Night Vision(Manually open)
Storage	SD Card (Supports MAX 128G)
Working Temperature Range	-20°C ~ 50°C

Ground Control Station

Remote Control System	
Telemetry System	Highly Integrated 3-in-1 Hand-held Ground Control System
Wireless Video Transmission	
Weight	< 2100g
Communication Frequency	2.4 GHz and Confidential Frequencies can be made
Range	10 ~ 30 km (Clear of Interference, Non-Obstacle Condition)
Working Duration	4 hrs
Screen Resolution	1280×800
Software Support OS	Linux, iOS, MacOS, Win10
Display screen	10" Industrial Touch Screen
CPU Processor	Intel Chipset
Memory	> 4GB
Storage	> 64 GB
Internet Support	Wifi + BT or 4G GSM (Options)
I/O	USB 3.0, Ethernet Port, HDMI, RS232, RS485, RS422, TTL
Operating temperature	-10~+60°C

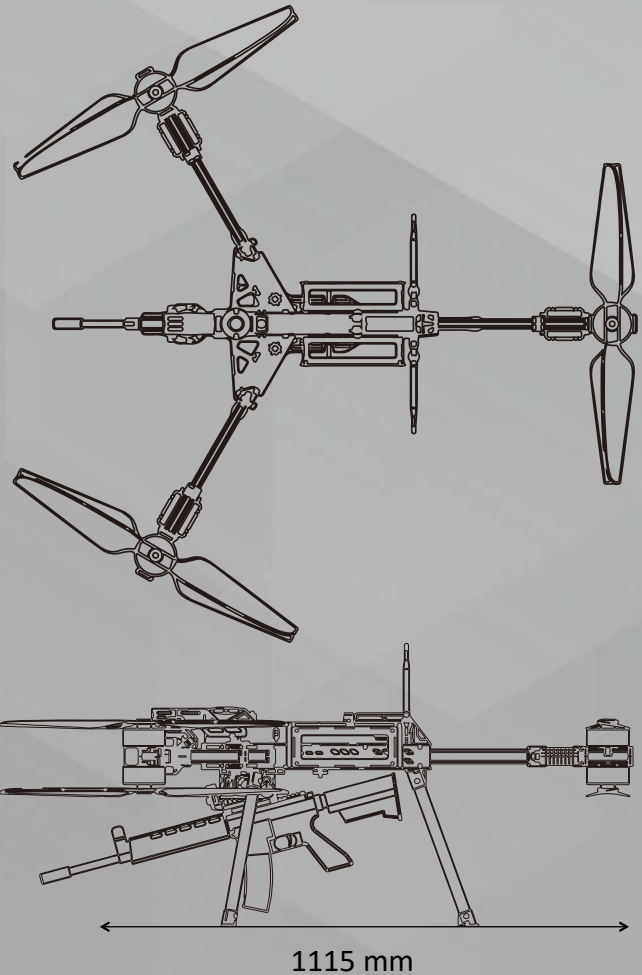
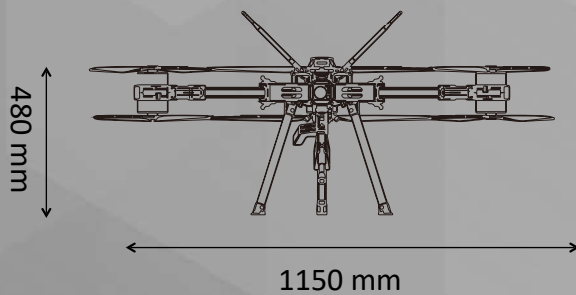


Unfolded Dimensions

(without propellers)

Images for reference only.

Weapons not included in shipment.



Folded Dimensions

(without propellers)

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Weapons not included in shipment.

